

Name _____ Date _____ Hour _____

Algebra - Chapter 2 Practice Test

2.1 Comparing and Ordering (2 pts. Each)

Write each in increasing order.

1) 3.66, .7, 3.6, -1.4, -.7, 1.4

2) 4, $-\frac{1}{2}$, 3.4, $-\frac{3}{5}$, -1, $-\frac{1}{3}$

2.1 Absolute Values (1 pt. Each)

Evaluate each expression.

3) $|209|$

4) $-|-89|$

5) $|567| + |-159|$

6) $\left| -\frac{3}{4} \right|$

7) $-|-50| - 75$

8) $|28| - |-49|$

2.2 Addition of Integers (2 pts. Each)

Find each sum.

9) $35 + (-59)$

10) $-127 + (-47)$

11) $-96 + 43$

12) $769 + (-65) + (-123)$

13) $-43 + (-25) + 87$

2.3 Subtraction of Integers (2 pts. Each)

Find each difference.

14) $137 - 355$

15) $-39 - (-48)$

16) $-18 - 12$

17) $-215 - (-367) - 425$

18) $-8.5 - 3.9 - (-16.2)$

2.5 Multiplication of Integers (2 pts. Each)

Find each product.

19) $-36 \cdot (-9)$

20) $-46 \cdot (56)$

21) $32 \cdot (-15)$

22) $-10 \cdot 16 \cdot (-2)$

23) $13 \cdot (-2) \cdot (-3) \cdot (-5)$

24) $-2a^3$ when $a = -3$

2.6 Distributive Property (3 pts. Each)

Use the Distributive Property then simplify by combining like terms.

25) $6(5m + 2)$

26) $-5(8n - 7) - 21n$

27) $-7(r + 34) + 5(2r - 7)$

28) $16 - (6y + 4) - 23y$

29) $12x - 3(6x - 10)$

30) $-2(n - 4) - (12n - 28)$

31) $14(w + 2m) - 10m$

32) $-n(m - 9) - 2n(m + 16)$

2.7 Division of Integers (2 pts. Each)

Evaluate each expression.

$$33) \frac{-168}{-12}$$

$$34) \frac{330}{-15}$$

$$35) \frac{-448}{16}$$

$$36) \frac{6 \cdot 2^3}{-(4^2)}$$

$$37) \frac{(-2)^5 + 2}{-3 \cdot 2}$$

$$38) \frac{2 \cdot 5^3}{(-5)^2}$$

2.8 Probability and Odds (2 pts. Each)

Find the probability and the odds of randomly selecting a blue marble from a bag of blue and white marbles.

39) Number of blue marbles: 12
Total number of marbles: 60

Probability _____

Odds _____

40) Number of blue marbles: 17
Total number of marbles: 51

Probability _____

Odds _____